

Australian Standard[®]

**Commercial road vehicles—Mechanical
connections between towing vehicles**

**Part 2: 50 mm pin-type couplings and
drawbar eyes (ISO 1102:2001, MOD)**

STANDARDS
Australia



This Australian Standard® was prepared by Committee ME-053, Heavy Road Vehicles. It was approved on behalf of the Council of Standards Australia on 14 August 2008. This Standard was published on 21 October 2008.

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 - Australian Trucking Association
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 - Road Transport Forum, New Zealand
 - Society of Automotive Engineers, Australasia
 - The Commercial Vehicle Industry Association of Australia
 - The Institute of Road Transport Engineers of New Zealand
 - Truck Industry Council, Australia
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STANDARDS AUSTRALIA

RECONFIRMATION

OF

AS 2213.2—2008

**Commercial road vehicles — Mechanical connections between towing vehicles
Part 2: 50 mm pin-type couplings and drawbar eyes (ISO 1102:2001, MOD)**

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee ME-053, Heavy Road Vehicles to supersede AS 2213.2—2001, *Commercial road vehicles—Mechanical connections between towing vehicles, Part 2: 50 mm pin-type couplings and drawbar eyes*. After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this Standard as an Australian Standard rather than an Australian/New Zealand Standard.

The purpose of this Standard is to specify the characteristics of 50 mm drawbar eyes, permitting interchangeability between towing vehicles and trailers equipped with these components.

The purpose of this revision is to adopt the current edition of ISO 1102.

This Standard is an adoption with national modifications and has been reproduced from ISO 1102:2001, *Commercial road vehicles—50 mm drawbar eye—Interchangeability*. Additional requirements and illustrations have been taken from ISO 3584:2001 and are provided in Annex ZA.

This Standard is part of AS 2213, *Commercial road vehicles—Mechanical connections between towing vehicles*, which covers the design and manufacture of mechanical couplings and is published in parts as follows:

- Part 1: Selection and marking of pin-type couplings and drawbar eyes
- Part 2: 50 mm pin-type couplings and drawbar eyes
- Part 3: 40 mm pin-type couplings and drawbar eyes
- Part 4: Strength tests for pin-type couplings and drawbar eyes for rigid drawbars
- Part 5: Strength tests for pin-type couplings and drawbar eyes for hinged drawbars

As this Standard is reproduced from an international standard, the following applies:

- (a) Its number appears on the cover and title page while the international standard number appears only on the cover.
- (b) In the source text ‘this International Standard’ should read ‘this Australian Standard’.
- (c) A full point substitutes for a comma when referring to a decimal marker.

References to International Standards should be replaced by references to Australian Standards, as follows:

<i>Reference to International Standard</i>		<i>Australian Standard</i>	
ISO		AS	
8718	Commercial road vehicles— Drawbar couplings and eyes for hinged drawbars—Strength tests	2213	Commercial road vehicles— Mechanical connections between towing vehicles
		2213.5	Part 5: Strength tests for pin- type couplings and drawbar eyes for hinged drawbars
12357	Commercial road vehicles— Drawbar couplings and eyes for rigid drawbars—Strength tests	2213.4	Part 4: Strength tests for pin- type couplings and drawbar eyes for rigid drawbars

Only international references that have been adopted as Australian Standards have been listed.

AUSTRALIAN STANDARD

Commercial road vehicles—Mechanical connections between towing vehicles

Part 2:

50 mm pin-type couplings and drawbar eyes (ISO 1102:2001, MOD)

1 Scope

This International Standard specifies the characteristics of 50 mm drawbar eyes, necessary for the interchangeability of the coupling components on trailers and permitting interchangeability between towing vehicles and trailers equipped with these components.

This International Standard is applicable to mechanical connections designed for commercial vehicles and trailers, the maximum total mass of which is above 3,5 t.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 8718, *Commercial road vehicles — Drawbar couplings and eyes for hinged drawbars — Strength tests*

ISO 12357, *Commercial road vehicles — Drawbar couplings and eyes for rigid drawbars — Strength tests*

3 Designation

Drawbar eyes meeting the requirements of this International Standard shall be identified by the following information, in the order given and where applicable:

- a) reference to this International Standard;
- b) code D 50 for drawbar eyes (non-classified);
- c) class of drawbar eye according to 4.4 for drawbar eyes meeting the additional requirements specified therein.

EXAMPLE 1 Non-classified 50 mm drawbar eye:

Drawbar eye ISO 1102 D 50

EXAMPLE 2 Classified 50 mm drawbar eye meeting the requirements of class C:

Drawbar eye ISO 1102 D 50-C